

CLAIMS

What is claimed is:

1 1. A method for managing multimedia broadcast presentations, comprising:  
2 receiving a multimedia broadcast signal including at least two media component portions;  
3 generating a record data stream representing the multimedia broadcast signal;  
4 decoupling component media portions of the record data stream;  
5 buffering the record data stream including decoupled component portions by the source;  
6 sending the buffered record data stream to a transform;  
7 managing a transform task from the source, wherein managing the transform task  
8 includes launching the transform task;  
9 conducting a transform task, on the record data stream;  
10 sending a service data stream to a sink for output;  
11 managing a sink task from the source, wherein managing the sink task includes launching  
12 the sink task;  
13 conducting a sink task, on the service data stream received from the transform; and  
14 providing a playback data stream to an output device.

1 2. The method for managing multimedia broadcast presentations of claim 1, further  
2 comprising processing posted interrupts from at least one of the sink and the transform by  
3 the source.

1 3. The method for managing multimedia broadcast presentations of claim 1, wherein  
2 multimedia component portions include at least one of a video signal, an audio signal,  
3 and a closed caption signal.

1 4. The method for managing multimedia broadcast presentations of claim 1, wherein  
2 transform task includes at least one of storing data on the buffer, retrieving data from the

3 buffer, providing stored data to the sink, and providing the source data stream  
4 contemporaneously to the sink.

1 5. The method for managing multimedia broadcast presentations of claim 1, further  
2 comprising, accepting a user input control by the sink for utilization by the source for  
3 managing streaming data.

1 6. The method for managing multimedia broadcast presentations of claim 5, wherein  
2 user input control includes at least one of a pause, a time shift, a data prioritization,  
3 altering of the flow of data from the sink, searching stored data.

1 7. The method for managing multimedia broadcast presentations of claim 1, wherein  
2 the flow of data to the sink is independent of the flow of data to the transform.

1 8. The method for managing multimedia broadcast presentations of claim 1, wherein  
2 a sink task includes at least one of receiving a data stream, outputting a data stream to a  
3 decoder.

1 9. A multimedia broadcast management system comprising:  
2 a central processing unit including;  
3 a source capable of receiving a multimedia broadcast, wherein the source is  
4 suitable for generating a record data stream representing the multimedia  
5 broadcast;  
6 a transform connected to the source, wherein the transform is capable of  
7 conducting a transform task on the record data stream from the source, and  
8 wherein the source is capable of launching tasking of the transform;  
9 a sink connected to the source and the transform, wherein the sink is capable of  
10 providing a playback data stream to an output device; and

11 wherein the source manages the source, transform and sink, wherein the sink and  
12 the transform are capable of post interrupting the source; and  
13 a buffer connected to the transform and the sink, wherein the buffer is capable of storing  
14 data.

1 10. The multimedia broadcast management system of claim 9, wherein the  
2 multimedia broadcast management system is capable of providing at least one of a  
3 preferred audio clip and a preferred video clip during a pause.

1 11. The multimedia broadcast management system of claim 10, wherein the  
2 multimedia broadcast system is capable of optioning a user with at least one alternative  
3 video clip and audio clip during a pause.

1 12. The multimedia broadcast management system of claim 9, wherein the source is  
2 capable of decoupling one media component contained in the record data stream from a  
3 second media component of the record data stream.

1 13. The multimedia broadcast management system of claim 12, wherein the  
2 multimedia broadcast management system is capable of providing at least one media  
3 component independently.

1 14. The multimedia broadcast management system of claim 12, wherein the  
2 multimedia broadcast system is capable of providing video components from at least two  
3 different multimedia broadcasts.

1 15. The multimedia broadcast management system of claim 9, wherein tasking by the  
2 transform includes performing at least one of storing data on the buffer, retrieving data  
3 from the buffer, providing buffered data to the sink.

1 16. The multimedia broadcast management system of claim 9, wherein the sink is  
2 capable of accepting a user input control, wherein the user input control is utilized by the  
3 source to manage streaming data.

1 17. The multimedia broadcast management system of claim 16, wherein the user  
2 input control is at least one of inputting a pause command, a time shift, a data  
3 prioritization, altering the flow of data from the sink, placing a marker and searching  
4 stored data.

1 18. The multimedia broadcast management system of claim 16, wherein the  
2 multimedia broadcast management system is capable of scrolling through the recorded  
3 portion of the multimedia broadcast during recording.

1 19. The multimedia broadcast management system of claim 16, wherein the  
2 multimedia broadcast system is capable of providing a text library for searching stored  
3 data.

1 20. The multimedia broadcast management system of claim 9, wherein the  
2 multimedia broadcast management system is capable of controlling an external device  
3 connected to the system.

1 21. A method for managing multimedia broadcast presentations, comprising:  
2 managing a source task by a sink including launching the source task, wherein source  
3 tasks include;  
4 receiving a multimedia broadcast signal including at least two media component  
5 portions;  
6 generating a record data stream representing the multimedia broadcast signal;  
7 decoupling component media portions of the record data stream;

8 buffering the record data stream including decoupled component portions by the  
9 source;  
10 sending the buffered record data stream to a transform;  
11 managing a transform task from the sink, wherein managing the transform task includes  
12 launching the transform task;  
13 conducting a transform task, on the source data stream received from the source;  
14 managing a sink task from the sink, wherein managing the sink task includes launching  
15 the sink task;  
16 conducting a sink task, on the service data stream received from the transform; and  
17 providing a playback data stream to an output device.

1 22. The method for managing multimedia broadcast presentations of claim 21, further  
2 comprising processing posted interrupts from at least one of the sink and the transform by  
3 the source.

1 23. The method for managing multimedia broadcast presentations of claim 21,  
2 wherein the multimedia component portions include at least one of a video signal, an  
3 audio signal, and a closed caption signal.

1 24. The method for managing multimedia broadcast presentations of claim 21,  
2 wherein transform task includes at least one of storing data on the buffer, retrieving data  
3 from the buffer, providing stored data to the sink, and providing the source data stream  
4 contemporaneously to the sink.

1 25. The method for managing multimedia broadcast presentations of claim 21, further  
2 comprising accepting a user input control by the sink, wherein the accepted user input  
3 control is utilized by the sink to manage streaming data.

1 26. The method for managing multimedia broadcast presentations of claim 25,  
2 wherein the user input control includes at least one of a pause, a time shift, a data  
3 prioritization, altering of the flow of data from the sink, searching stored data.

1 27. The method for managing multimedia broadcast presentations of claim 21,  
2 wherein the flow of data to the sink is independent of the flow of data to the transform.

1 28. The method for managing multimedia broadcast presentations of claim 21,  
2 wherein a sink task includes at least one of receiving a data stream, outputting a data  
3 stream to a decoder.

1 29. A multimedia broadcast management system comprising:  
2 a central processing unit including;  
3 a source capable of receiving a multimedia broadcast, wherein the source is  
4 suitable for conducting a source task;  
5 a transform connected to the source, wherein the transform is capable of tasking  
6 buffering of the source data stream from the source, and wherein the  
7 source is capable of launching tasking of the transform; and  
8 a sink connected to the source and the transform, the sink is capable of providing  
9 a playback data stream to an output device; and  
10 wherein the sink manages the source, transform and sink, wherein the source and  
11 the transform are capable of post interrupting the sink; and  
12 a buffer connected to the source and the transform, wherein the buffer is capable of  
13 storing data.

1 30. The media broadcast management system of claim 29, wherein tasking by the  
2 source includes performing at least one of generating a record data stream, decoupling  
3 component portions of the record data stream, buffering the record data stream,

1 temporarily storing the record data stream, and sending the record data stream to the  
2 transform.

1 31. The multimedia broadcast management system of claim 29, wherein the  
2 multimedia broadcast management system is capable of providing at least one of a  
3 preferred audio clip and a preferred video clip during a pause.

1 32. The multimedia broadcast management system of claim 31, wherein the  
2 multimedia broadcast system is capable of optioning a user with at least one alternative  
3 video clip and audio clip during a pause.

1 33. The media broadcast management system of claim 29, wherein the multimedia  
2 broadcast management system is capable of providing at least one media component  
3 independently.

1 34. The multimedia broadcast management system of claim 29, wherein the  
2 multimedia broadcast system is capable of providing video components from at least two  
3 different multimedia broadcasts.

1 35. The media broadcast management system of claim 29, wherein tasking by the  
2 transform includes performing at least one of storing data on the buffer, retrieving data  
3 from the buffer, providing buffered data to the sink.

1 36. The media broadcast management system of claim 29, wherein the sink is capable  
2 of accepting a user input control, wherein the accepted user input control is utilized by  
3 the source to manage the source data stream.

1 37. The media broadcast management system of claim 36, wherein the user input  
2 control is at least one of inputting a pause command, a time shift, a data prioritization,  
3 altering the flow of data from the sink, placing a marker and searching stored data.

1 38. The multimedia broadcast management system of claim 36, wherein the  
2 multimedia broadcast management system is capable of scrolling through the recorded  
3 portion of the multimedia broadcast during recording.

1 39. The multimedia broadcast management system of claim 36, wherein the  
2 multimedia broadcast system is capable of providing a text library for searching stored  
3 data.

1 40. The multimedia broadcast management system of claim 29, wherein the  
2 multimedia broadcast management system is capable of controlling an external device  
3 connected to the system.

1 41. A software system for managing multimedia broadcasts, comprising:  
2 an electronically readable medium encoded to cause a central processing unit executing  
3 the software system for managing multimedia broadcasts to effectively generate;

4 a source capable of receiving a multimedia broadcast, wherein the source is  
5 suitable for generating a record data stream representing the multimedia  
6 broadcast;

7 a transform connected to the source, wherein the transform is capable of  
8 conducting a transform task on the record data stream from the source, and  
9 wherein the source is capable of launching tasking of the transform;

10 a sink connected to the source and the transform, wherein the sink is capable of  
11 providing a playback data stream to an output device; and

12 wherein the source manages the source, transform and sink, wherein the sink and  
13 the transform are capable of post interrupting the source.

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- 1 42. A software system for managing multimedia broadcasts, comprising:  
2 an electronically readable medium encoded to cause a central processing unit executing  
3 the software system for managing multimedia broadcasts to effectively generate;  
4 a source capable of receiving a multimedia broadcast, wherein the source is  
5 suitable for conducting a source task;  
6 a transform connected to the source, wherein the transform is capable of tasking  
7 buffering of the source data stream from the source, and wherein the  
8 source is capable of launching tasking of the transform; and  
9 a sink connected to the source and the transform, the sink is capable of providing  
10 a playback data stream to an output device; and  
11 wherein the sink manages the source, transform and sink, wherein the source and  
12 the transform are capable of post interrupting the sink.